

SECTION 09300

FLOOR AND WALL CERAMIC TILE AND BASE

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Ceramic tile floor and base finish installed using the thinset method.

1.2 SUBMITTALS

- A. Submit the following according to the requirements of Section 01300.
 - 1. Samples of proposed tile for approval and selection of colors and textures.
 - 2. Samples of grout material for approval and selection of colors and textures.
 - 3. Manufacturer's installation instructions for using adhesives and grout.

1.3 QUALITY ASSURANCE

- A. Use materials conforming to ANSI standards specified in this Section.
- B. Install conforming to ANSI A108.6.
- C. Use products of a company specializing in the manufacture of the products specified in this Section.
- D. Use an installer who has successfully completed at least 25 projects of similar type and scope as this project.

1.4 ENVIRONMENTAL REQUIREMENTS

- A. Maintain minimum 50 degrees F during installation of mortar and grout materials.

PART 2 PRODUCTS

2.1 CERAMIC TILE MATERIALS

- A. Use unglazed ceramic mosaic tile conforming to ANSI A137.1 and the following:
 - 1. Moisture Absorption: 0 to 0.5
 - 2. Size: 2 by 2 by 1/4 inches
 - 3. Shape: Square
 - 4. Edge: Cushioned
 - 5. Color: As selected from the manufacturer's standard colors.

2.2 BASE MATERIALS

- A. Match wall tile for type, moisture absorption, size and color.
 - 1. Top edge: Bullnose
 - 2. Internal corner: Coved
 - 3. External corner: Bullnose

2.3 ADHESIVE MATERIALS

- A. Use organic adhesive conforming to ANSI A136.1, of Types I and II thinset bond type.

2.4 GROUT MATERIALS

- A. Use grout conforming to ANSI A118.6 of color selected.

2.5 GROUT MIX

- A. Mix and proportion grout materials in accordance with manufacturer's instructions.

2.6 SEALANT MATERIALS

- A. Use sealant compatible with grout, and of same color and texture as grout material.

PART 3 EXECUTION

3.1 INSPECTION

- A. Verify that surfaces are ready to receive work.
- B. Do not begin installation and notify the University inspector if substrate conditions will adversely affect acceptable results.

3.2 PREPARATION

- A. Vacuum clean surfaces.
- B. Protect surrounding work from damage or disfiguration.

3.3 INSTALLATION - THINSET METHOD

- A. Install adhesive, tile and grout in accordance with TCA Handbook.
- B. Lay tile to square pattern. Do not interrupt tile pattern through openings.
- C. Cut and fit tile tight to penetrations through tile. Form corners and bases neatly. Align floor, base and wall joints.
- D. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight, without voids, cracks, excess mortar, or excess grout.
- E. Sound tile after setting. Replace hollow sounding units.
- F. Allow tile to set for a minimum of 48 hours prior to grouting.
- G. Grout tile joints.

H. Apply sealant in joints at junctions of dissimilar planes.

3.4 CLEANING

A. Clean work under provisions of Section 01700.

3.5 PROTECTION OF FINISHED WORK

A. Do not permit traffic over finished floor for 4 days after installation.

END OF SECTION